

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT  
APPLICATION TRANSMITTAL LETTER

**Mail Stop PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Customer Number **2 1 8 3 9**

Sir:

Enclosed for filing is the utility patent application entitled:

APPARATUS AND METHOD FOR ENHANCING QUALITY OF REPRODUCED IMAGE



by the following named inventor(s):

Hye-yeon KIM, Shi-hwa LEE, Dae-sung CHO, Woo-shik KIM and Sang-jo LEE

☒ Applicant(s) suggests Figure 2 for inclusion on the front page of the patent application publication and patent.

☒ Applicant(s) requests that the published application include the following assignment information:  
SAMSUNG ELECTRONICS CO., LTD., Kyungki-do, Republic of Korea

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☐ Small entity status is claimed.

Also enclosed are:

**DRAWINGS:** 10 sheets of formal drawings        sheets of informal drawings

**DECLARATION:** ☐ will follow ☒ executed, is enclosed ☐ unexecuted, is enclosed

**ASSIGNMENT:** ☒ is enclosed ☐ will follow

**CLAIM FOR  
PRIORITY  
UNDER 35 U.S.  
C. § 119 and/or  
365:**☒ is made in the declaration☐ is hereby made as follows

Country: Republic of Korea

Appl. No.: 2002-84088

Filing Date: <sup>dd-mm-yy</sup> 26-12-02

Country:

Appl. No.:

Filing Date:

Country:

Appl. No.:

Filing Date:

Country:

Appl. No.:

Filing Date:

☒ certified copy(ies) enclosed☐ certified copy(ies) will follow**OTHER PAPERS:** ☒ a General Authorization for Petitions for Extensions of Time and Payment of Fees☐ an Information Disclosure Statement☒ an Application Data Sheet (ADS)☒ Preliminary Amendment☒ The filing fee has been calculated as follows ☒ and in accordance with the enclosed preliminary amendment:

CLAIMS					
	No. of Claims		Extra Claims	Rate	Fee
Basic Application Fee (1001)					\$ 770.00
Total Claims	75	MINUS 20 =	55	x \$18.00 (1202) =	\$ 990.00
Independent Claims	10	MINUS 3 =	7	x \$86.00 (1201) =	\$ 602.00
If multiple dependent claims are presented, add \$290.00 (1203)					
Total Application Fee					\$ 2,362.00
<input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Application Fee					\$ 0.00
Add Assignment Recording Fee of \$40.00 (8021) if Assignment document is enclosed.					\$ 40.00
<b>TOTAL APPLICATION FEE DUE</b>					<b>\$ 2,402.00</b>

☐ This application is being filed without a filing fee. Issuance of a Notice to File Missing Parts of Application is respectfully requested.☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.☒ A check in the amount of \$ 2,402.00 is enclosed for the fee due.

- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

• Please address all correspondence concerning this application to:

Burns, Doane, Swecker & Mathis, L.L.P.  
Customer Number **2 1 8 3 9**  
P.O. Box 1404  
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Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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Filed: November 21, 2003

By

  
Charles F. Wieland III  
Registration No. 38,096

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

Hye-yeon KIM et al

Application No.: Unassigned

Filing Date: November 21, 2003

Title: APPARATUS AND METHOD FOR ENHANCING QUALITY OF REPRODUCED IMAGE

Group Art Unit: Unassigned

Examiner: Unassigned

Confirmation No.: Unassigned

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

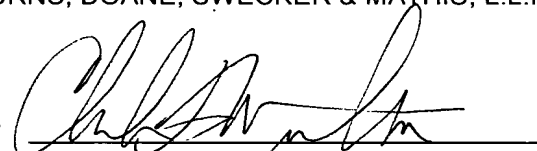
Respectfully submitted,

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